

CLAIMS

I claim:

1. An improved decoding and processing system for advanced determination and display of geographic caller information, said system comprising:

receiving means to receive a CND message from a switching center containing call identification data;

storage and retrieval means containing a data base library for selectively determining the corresponding geographic caller information by decoding the CND message and correlating the decoded message with the data base library to determine the geographic caller information of the call origination party; and

a readout device for displaying the geographic information of the incoming call.

2. The improved system of Claim 1 wherein the CND message is received from a mobile station switching center.
3. The improved system of Claim 1 wherein the CND message

is received from a local central office switch.

4. The improved system of Claim 1 wherein said storage and retrieval means includes capability to automatically update the data base library of the storage and retrieval device as new area codes and/or local exchanges are subsequently assigned.
5. The improved system of claim 1 wherein the standard data field is a data field for a dialed number.
6. The improved system of claim 1 wherein the call data character stream replaces the contents of the standard data field.
7. The improved system of claim 1 wherein the call data character stream references information stored in a database.
8. The improved system of claim 1 wherein the call data character stream is used to process the voice path of the telephone call.
9. The improved system of claim 1 wherein the call geographic information is a city identification of the call origination

party.

10. The improved system of claim 1 wherein the call geographic information is a state identification of the call origination party.
11. The improved system of claim 1 wherein the call geographic information is displayed pictorially.